

Vvisto

USB 2.0 Hard Drive with Multi Card Reader, featuring easy file backup!



User Manual & Installation Guide

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Chapter 1 - Introduction

Icon Key

Throughout this manual you will see icons on the left margin that denote either Notes or Special Remarks as outlined below:



General Notes and Tips



Remarks for PC users and Microsoft Windows OS



Remarks for Mac users and Apple Macintosh OS

Vvisto

Vvisto is a portable palm-sized hard drive that doubles as a multi card reader, high-speed storage and easy file backup device. With a rechargeable battery pack, Vvisto provides cutting-edge technology with maximum portability and flexibility. Tough casing made of ABS Plastic, designed for extra durability and high performance, which can be taken anywhere.

Product Dimensions: 12.3cm x 7.9cm x 3.0cm

Application

- 2.5" (2.5 inches) PATA-interface Hard Drive (max 9.5mm)

Available Interfaces

- USB 2.0 High Speed (Backward compatible with USB 1.1)

Features

Multi Card Reader supports Smart Media card (SM), Compact Flash card (CF), Micro Drive, Secure Digital card (SD), Memory Stick (MS), Memory Stick Pro (MS Pro) and Multi Media Card (MMC).

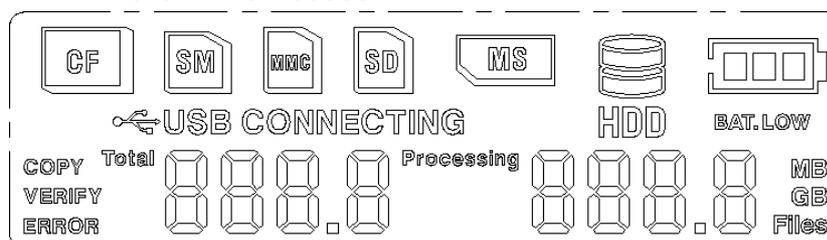


The numbers on the left side of the display show the total capacity of either the hard drive or the inserted memory card.

The numbers on the right side of the display show the actual file size of the data stored on either the hard drive or the inserted memory card.

LCD Display indicates the followings:

- Battery status and battery low function
- Copy function
- Hard Drive available size (in MB)
- Memory Card Total Data Size (in MB)
- Error Messages by Error Codes
- Vvisto USB Connect Mode Icon
- Memory Cards Icon (CF, SD, MS, MMC)
- Copy status (MB count)
- Hard Drive Access



Key Pads provides the following functions:

- Power ON/OFF button
- COPY button
- SELECT media card button

Stand-Alone Mode converts Vvisto to a portable stand-alone multi card reader storage system. Backups all data from memory cards to the hard drive in Vvisto with the touch of a button - without the need of external power.

USB Connect Mode converts Vvisto to a high speed portable external backup storage and a multi card reader. Computer will detect USB Mass Storage device and 4 other external drives (CF, SD, MS, MMC).



The file system on the hard drive has to be FAT32!



Package Content may vary, depending on vendor & version.

System Requirements

PC Requirements

- Minimum Intel Processor II 350MHz, 64MB RAM
- USB 1.1 equipped PC; WinME, Win2000, WinXP
- USB 2.0 equipped PC; WinME, Win2000, WinXP

Mac Requirements

- Minimum Apple G3 processor, 64MB RAM
- USB 1.1 equipped Mac; Mac OS 9.2, 10.1.5, 10.2, 10.3
- USB 2.0 equipped Mac; Mac OS 10.2, 10.3

Package Contents

- Vvisto
- USB 2.0 High Speed Cable
- Rechargeable Li-Polymer Battery (1650mA)
- External Power Adapter
Input 100-240V, Output 5V/2A
- Carrying Bag
- User Manual

Chapter 2 - System Set Up

Connection to your Computer



When connected to the computer, the copy and select functions are disabled. Use your computer to transfer the files from your media cards to the hard drive instead.



On your computer, Vvisto will show up as five (5) different removable disks. One (1) hard drive and four (4) card reader slots.



If you buy a spare power adapter for your working place or at home, make sure the output and polarity is identical with the power adapter supplied!

A few tips on how to connect your Vvisto to your computer:

- Make sure your PCI Host Card is installed correctly
- Double check that the Host Card driver is up to date
- If required, update your Operating System or BIOS
- Do not cover the Enclosure and leave enough room around it for the drive to cool down
- Do not expose the product to water or humid conditions
- Always check for visible damage and defects of power and interface cables before using it
- We recommend using only the cables and adapter supplied with your product

Bus Power Operation

USB bus power is supported as long as the battery is inserted. The battery will be recharged through your USB port. Without battery, the external power adapter is required.

Transferring Data

While connected to your computer through USB, the copy function is disabled. You may, however, still use the card reader and transfer data from your media cards to either the external hard drive or to your computer.

Charging the Battery in Vvisto

To charge the battery in Vvisto, simply plug the external charger into a power socket and connect it to Vvisto. If you connect Vvisto to your computer, the battery will be recharged as well.



Without battery, the external power supply is required.



For safe removal of your drive and to assure that no data is lost, always follow the unplug procedure. If not, an error message will show up.

Installation on a PC

WinME, 2000 or WinXP with USB:

- Turn on your Computer and start Windows
- Connect Vvisto and turn it on
- Let Windows search and install the driver automatically
- Open “My Computer” to see your external hard drive **

Unplug Procedure:

- Click on the taskbar icon for external hardware
- Choose your external hard drive and confirm to remove it



The device will automatically power off and you can disconnect it.

** For factory new drives and formatting, see “Partitioning & Formatting”



Without battery, the external power supply is required.



For safe removal of your drive and to assure that no data is lost, always follow the unplug procedure. If not, an error message will show up.

Installation on a Macintosh

Mac OS 9.2 or Mac OS 10.x with USB:

- Turn on your computer and start Mac OS
- Connect Vvisto and turn it on
- No driver installation required
- The external drive will mount and show up on your desktop**

Unplug Procedure:

- Drag the external hard drive icon into the trash bin
- The device will automatically power off and you can disconnect it.



** For factory new drives and formatting, see “Partitioning & Formatting”



You can choose to create several partitions but be aware that Vvisto only recognizes FAT32 for your file backup and only the first partition.



The jumper setting of your hard drive should be set to "Slave".



The file format for your memory card backup has to be FAT32.

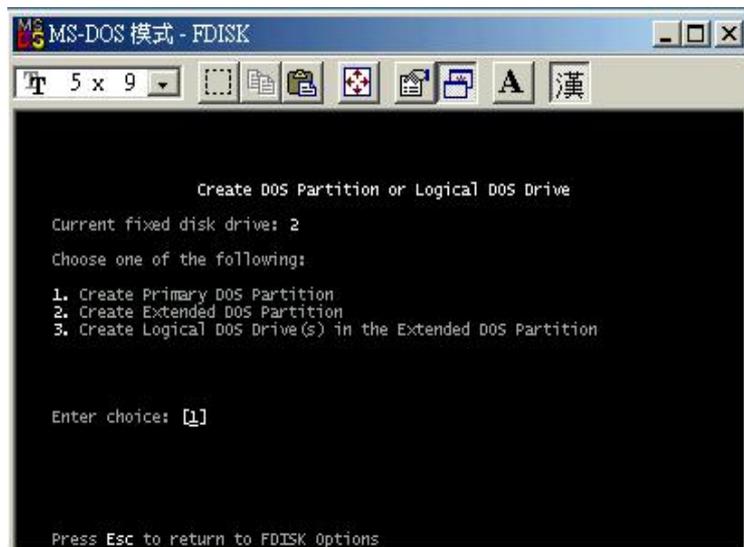
Partitioning & Formatting

Be aware that this will destroy all your existing data on the drive, so make sure you have a backup! This step is usually only required the first time you install a factory new hard drive, if you change the format or want to erase all data on your drive.

PC running WinME:

MS-DOS command "fdisk" (press Enter to confirm)

- Type "fdisk" and press Enter
- Select "Y" and press Enter
- Enter "5" to change the drive
- Select the drive you want to format
- Choose "1" and follow the onscreen instructions





You can choose to create several partitions but be aware that Vvisto only recognizes FAT32 for your file backup and only the first partition.



The jumper setting of your hard drive should be set to “Slave”.

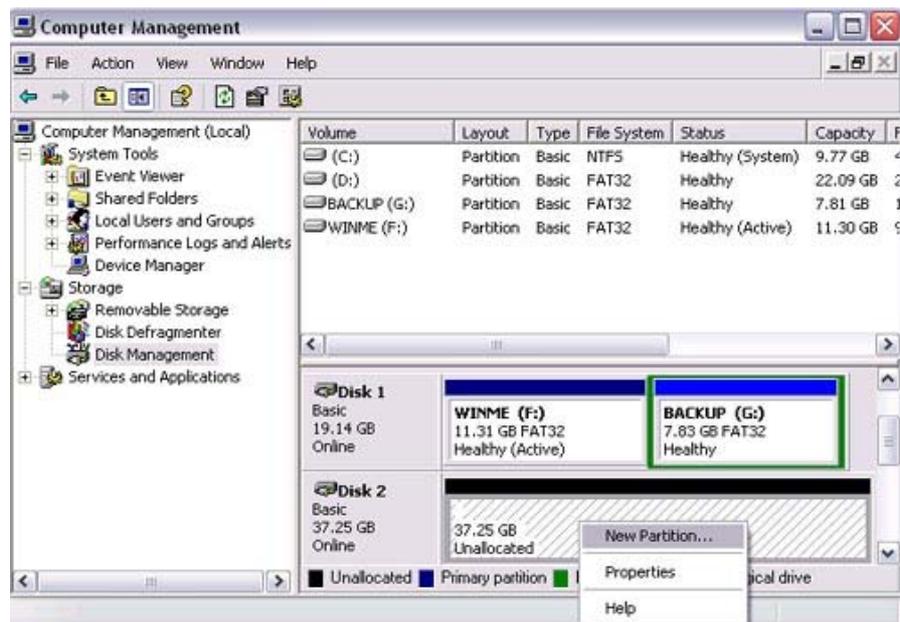


The file format for your memory card backup has to be FAT32.

PC running Win2000 or WinXP:

Disk Management Program

- Right click on “My Computer” and choose “Manage”
- Select “Disk Management”
- Choose the drive you want to format and right click on it for further commands (Choose New Partition)
- Follow the Partition Wizard





If you want to use your drive on a PC, as well as on your Mac, we recommend using a PC to format the drive. Choose FAT32 when formatting!



You can choose to create several partitions but be aware that Vvisto only recognizes FAT32 for your file backup and only the first partition.



The jumper setting of your hard drive should be set to "Slave".



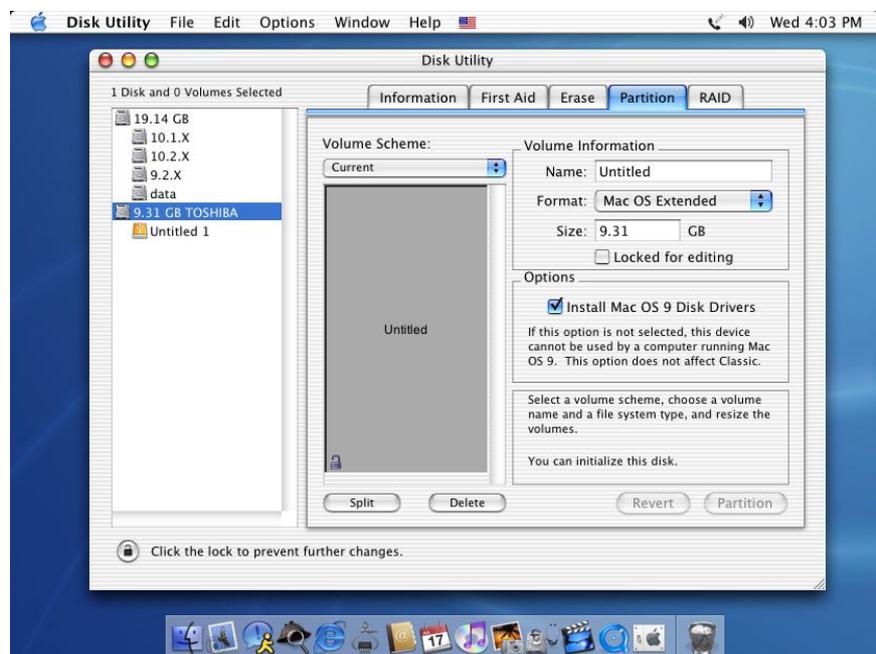
The file format for your media card backup has to be FAT32.

Mac OS:

Mac OS9.2 and earlier, does not support creating partitions on an external drive. To do that, you would need to purchase additional 3rd party software. Initializing can be done on all Operating Systems.

For Mac OS X, use the Disk Utility to format and create partitions on your external disk.

- Select "Disk Utilities" in the utilities folder
- Choose your external drive and format it according to your requirement



Chapter 3

Using Vvisto in Stand-Alone Mode

Copying data from Memory Cards to Vvisto is an easy process in just 3 steps.



When turning on the power, the unit will countdown from 3 to 1. Hold the power button until the display appears. If released earlier, Vvisto will turn off automatically.



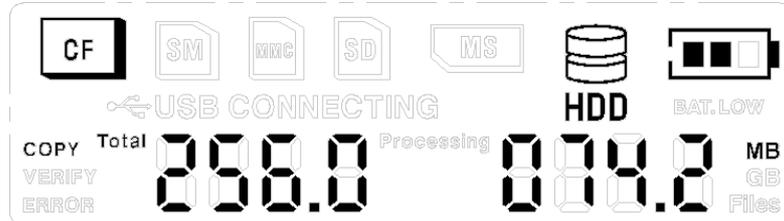
If you have more than one memory card inserted, use the “Select” button to choose the one you want to backup.



Vvisto will turn off automatically when idle for more than 15 seconds, to conserve power.

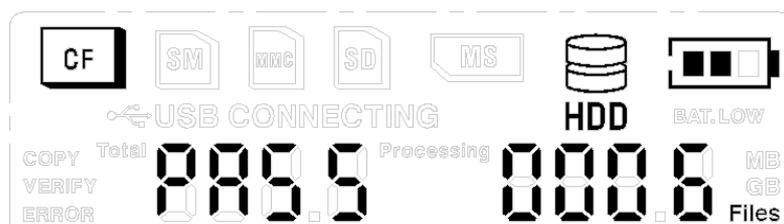
Step 1

- Press Power ON switch for 3 seconds.
- LCD will indicate total memory available on Vvisto.
- Insert Memory Card into the Card Reader on Vvisto.
- LCD will indicate Memory Card inserted corresponding to the followings:
 - CF Type I or II Cards - [CF]
 - SM Card - [SM]
 - MS or MS Pro - [MS]
 - MMC - [MMC]
 - SD - [SD]
- LCD will indicate total memory on Memory Card.



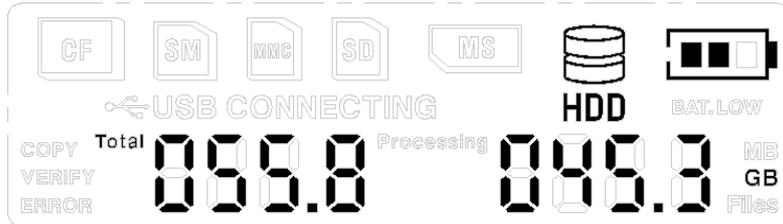
Step 2

- Press the COPY button.
- LCD will indicate [COPYING] progress.
- Progress of copying indicated shown in Mega-Bytes (MB)
- [COPY] indicator will go off after completion and [PASS] will show up with the amount of files which have been successfully copied.



Step 3

- Remove Memory Card from Vvisto.
- Memory Card indicator on LCD will disappear, indicating Memory Card disconnection.
- Data backup to Vvisto completed.
- Vvisto is ready for next backup, connection to PC or switch OFF to conserve power.



Error Messages

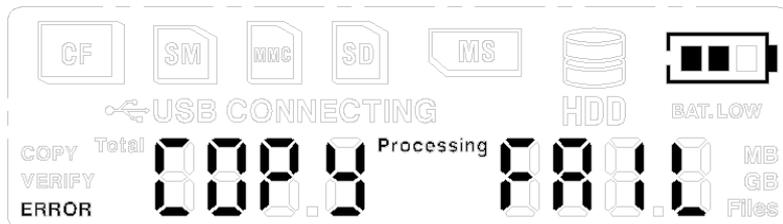
Copy Fail



Vvisto will turn off automatically when idle for more than 15 seconds, except when there is an error!

In case of an error, use the power button to manually turn off the unit.

- If the card is removed during the copy process or the data could not be backed up, an Error Message [COPY FAIL] will appear.
- To turn off the message, press the power button once.
- To warn the user in case of an error, the automatic standby after 15 seconds will be disabled and the unit has to be turned off manually, by pressing the power button!



Other Error Messages

- [HDD FULL] Hard Disk is full, backup not possible.
- [NO HDD] No Hard Disk installed.
- [HDD FAT] File System of HDD is not recognized.
- [CARD FAT] File System of Memory Card is not recognized.



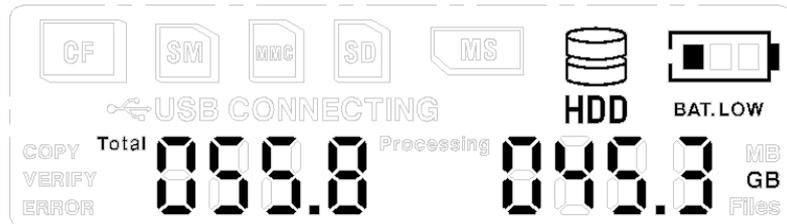
When the battery is low on power, the copy function will be disabled to prevent data loss.



Please read your warranty carefully, as this may vary between different vendors!

Battery Low

- When only one (1) bar is remaining for the battery power, the [BAT.LOW] sign will appear.
- The HDD and Memory Card can still be accessed but the copy function will be disabled.
- Recharge the battery or use the external power supply!



Technical Questions

For RMA and other questions, please contact your vendor or check out their online support area!

About this Manual

This manual covers all versions for the Vvisto product. Images and descriptions might therefore slightly vary between this manual and the actual product you have.

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